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**NEW PLOW A SUCCESS -- Sovetskaya Latvya, 3 Jun 50**

The new three-row marker and hiller plows produced at the Vyborg Agricultural Machinery Plant have passed successful trials in the field. These machines perform hilling operations three times as fast as the old models since they are equipped with three shares for this purpose instead of the single share, as formerly.

The plant has already assembled 50 such machines, and will put out 100 more before the end of the year.

**DESIGNS NEW CULTIVATOR -- Trud, 12 May 50**

A universal multiple-row cultivator, designed by mechanic Degermendzhi of the Mangushskaya MTS, has just been tested and has given excellent results. The new machine, coupled with a KhtZ tractor, processed 32 hectares of corn in one day.

**URNS OUT NEW CRUSHING MACHINE -- Sovetskaya Moldaviya, 28 May 50**

The Kolomyia Agricultural Machine Building Plant has completed the half-year program. It has already put out the first models of the new IK crushing machine, destined for use in animal husbandry farms. The machine processes thick-stemmed plants for silo storage.

**INVENTS NEW HYDRAULIC PUMP -- Kommunist Tadzhikistana, 14 May 50**

A lathe-man of the Kanibadam Casting and Machinery Plant has invented a new type of hydraulic pump which can raise water to a height twice that achieved by existing hydraulic installations. The pump will be used for agricultural purposes; in particular, to irrigate high mountain regions.

The plant has begun work on the first pump of this type.

**DESIGNS NEW FERTILIZER -- Pravda, 21 May 50**

N. L. Gorodeskaya, a kolkhoz woman from Babino, Chernovtsy Oblast has designed an original machine for spreading fertilizer. In a box filled with the fertilizer, a rotating shaft refines the mixture and expels it through apertures onto flat-surfaced mechanisms underneath. These are provided with wide hoof shovels which raise the soil and fix the fertilizer under it.

**USE NEW IMPLEMENT TO PLANT RUBBER -- Sovetskaya Belorussiya, 20 May 50**

Agronomist K. Makarevich of the Dzerzhinskaya MTS has designed a horse-drawn marker-and-punch for rubber planting. The machine has four small wheels mounted on a 2-meter axle. The wheel surfaces have projecting punchers one centimeter thick and 10 centimeters in diameter. These punchers are set 30 centimeters apart, so that the kok-sagyz is planted in nests which are 30 centimeters apart and in rows 60 centimeters apart.

The axle is attached to a frame drawn by one horse. Two coulters on each side of the frame cut furrows 30 centimeters apart. Eight workers follow the machine, some depositing the seed and others covering it up.

The machine is being successfully used at the Zvezda Kolkhoz. The other kolkhozes of the MTS are using wooden implements patterned after this machine, but having punchers 5 centimeters high. With the aid of these implements, 16 kolkhoz workers are planting 3.5-4 hectares of kok-sagyz per day.

- 2 -

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BUILD GRAIN-DRYING FURNACES -- Kommunist, 16 May 50

The kolkhozes of Anan'yevskiy Rayon Odessa Oblast are building furnaces in the fields for drying grain. These can process 12 tons of grain per day.

BUILDS MOBILE REPAIR SHOPS -- Vechernyaya Moskva, 24 May 50

The Moscow Zapchast' (Spare Parts) Plant puts out mobile repair shops mounted on the chassis of GAZ-AA trucks. These shops, which are sent to various regions of the USSR, are equipped with a drilling machine, press, forge, vise, and over 175 different tools.

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- 3 -

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